

Message

**From:** Jackie Bangma [Ex. 6 Personal Privacy (PP)]  
**Sent:** 2/4/2019 9:44:19 PM  
**To:** Fry, Rebecca C [rfry@unc.edu]  
**CC:** Strynar, Mark [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5a9910d5b38e471497bd875fd329a20a-Strynar, Mark]  
**Subject:** Re: HI!  
**Attachments:** PFAS Syn requests\_1-15-19.xlsx

Of course!

Hi Mark,

For mass spec standards, we are currently using Wellington labs C13-MPFAC-MXA and C13-GenX, but I have been looking for unlabeled versions of the four PFAS in the press release at the end of last year (see table below).

My goal was to find a few grams of each to be used in cell culture treatments. I have had minimal success with the companies I have contacted so far (see excel file for companies). The bullet points below is the summary of where we stand on the 4 novel PFAS mentioned in the press release:

- o Nafion BP 2: Snyquest Laboratories will synthesize
- o Hydro-EVE: Dr. Zhenfa Zhang at UNC is trying to synthesize
- o PFO4OA &PFO5DoDa: Neither Zhenfa or any synthesis company contacted are able to synthesize at this time.

PFAS in Wilmington Serum press release			MRM1	Chemical composition	
Chemcial name	Abbrev	Cas #	Transition 1	Transition 2	
Perfluoro(3,5,7,9-tetraoxadecanoic) acid	PFO4OA	39492-90-5	376.9525	332.9627	C <sub>6</sub> HF <sub>11</sub> O <sub>6</sub>
Perfluoro-3,5,7,9,11-pentaoxadodecanoic acid	PFO5DoDa	39492-91-6	442.9436	398.9538	C <sub>7</sub> HF <sub>13</sub> O <sub>7</sub>
Ethanesulfonic acid, 2-[1-[difluoro(1,2,2,2-tetrafluoroethoxy)methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-	Nafion BP 2	749836-20-2	463	213	C <sub>7</sub> H <sub>2</sub> F <sub>14</sub> O <sub>5</sub> S
2,2,3,3-tetrafluoro-3-((1,1,1,2,3,3-hexafluoro-3-(1,2,2,2-tetrafluoroethoxy)propan-2-yl)oxy)propanoic acid	Hydro-EVE	773804-62-9	475	225	C <sub>8</sub> H <sub>2</sub> F <sub>14</sub> O <sub>4</sub>